

CLAIMS

1. Use of a microparticle having a protein and an antibody adsorbed thereon for preparing a pharmaceutical composition for intranasal administration.
- 5 2. Use of a polymeric microparticle according to claim 1, characterised in that the protein is selected from the group comprising BSA, insulin, enkephalin, hormones, growth factors, cytokines, coagulation factors, polypeptides, antimicrobial agents and fragments thereof.
- 10 3. Use of a polymeric microparticle according to claim 1 or claim 2, characterised in that the antibody is an immunoglobulin selected from the group comprising IgM, IgA and IgG.
4. Use of a polymeric microparticle according to claim 3, characterised in that the immunoglobulin is specific for the protein.
- 15 5. Use of a polymeric microparticle according to any of claims 1 to 4, characterised in that the microparticles are microspheres of polymeric material.
6. Use of a polymeric microparticle according to claim 5, characterised in that the polymeric material is biodegradable.
- 20 7. Use of a polymeric microparticle according to claim 5, characterised in that the polymeric material is polystyrene.
8. Use of a polymeric microparticle according to any of claims 1 to 6, characterised in that the protein/immunoglobulin ratio is of from 1 to 15,000 mols of protein per mole of immunoglobulin.
- 25 9. Use of a polymeric microparticle according to any of claims 1 to 6, characterised in that the protein/immunoglobulin ratio is of from 1 to 5,000 mols of protein per mole of immunoglobulin.
10. Use of a polymeric microparticle according to any of claims 1 to 6, characterised in that the protein/immunoglobulin ratio is of from 1 to 100 mols of protein per mole of immunoglobulin.